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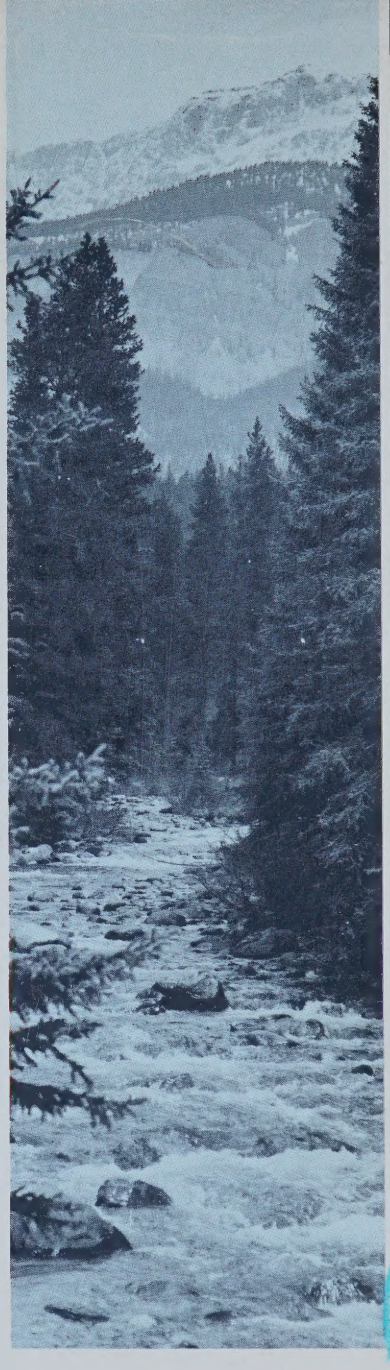

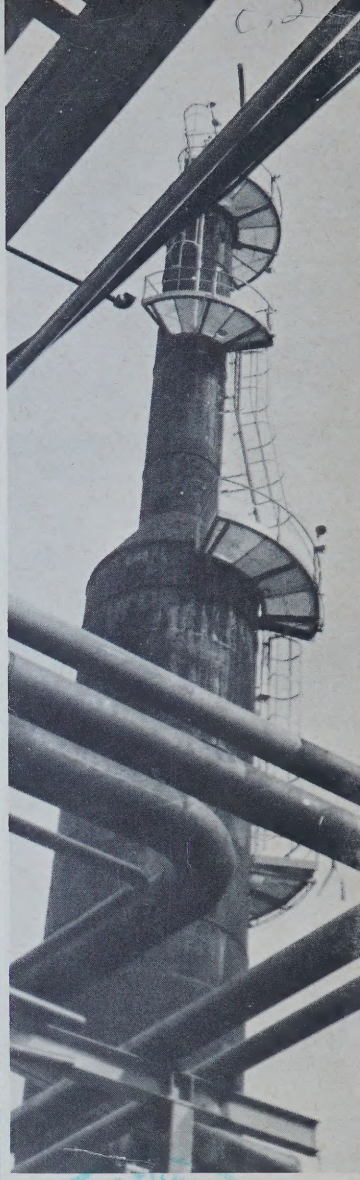

alberta
department
of the
environment

HON. W. J. YURKO, MINISTER

DR. E. E. BALLANTYNE, DEPUTY MINISTER

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Priority Employment Program

Final Report

Winter 1972-73

WATER RESOURCES
DIVISION

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Edmonton, Alberta June, 1973

PRIORITY EMPLOYMENT PROGRAM

FINAL REPORT

WINTER 1972-73

prepared by

WATER RESOURCES MANAGEMENT DIVISION

ALBERTA DEPARTMENT OF THE ENVIRONMENT

Priority Employment Program

Final Report

Winter 1972-73

ENVIRONMENT

403/425-1130

7th Floor, Milner Building
Edmonton, Alberta, Canada T5J 0Z6

Office of
the Deputy Minister

To: The Honourable W. J. Yurko, P. Eng.
Minister of the Environment
Government of Alberta

Sir:

The undersigned has the honour to transmit herewith the report entitled "Priority Employment Program Final Report, Winter 1972-73".

I hereby wish to acknowledge the efforts of Mr. W. Solodzuk, Mr. A. Strome, Mr. R. Deeprose, Mr. P. Melnychuk, Mr. E. T. Dean, Mr. R. Hilton, Mr. R. Knight, Mr. J. Nessman, Mr. F. G. Primus, Mr. T. Slater, Mr. K. Nelson, Mr. G. Koshman, and many others in the implementation of this program.

Respectfully submitted,

for E. E. Ballantyne, D.V.M., P. Ag., F.R.S.H.

Alberta

ENVIRONMENT

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10040 - 104 Street
Edmonton, Alberta, Canada. T5J 0Z6

Office of
the Assistant Deputy Minister

July 31, 1973

Dr. E. E. Ballantyne
Deputy Minister of The Environment

Sir:

The undersigned has the honor to transmit herewith the report entitled "Priority Employment Program Final Report, Winter 1972-73".

In keeping with the government's objective of reducing the unemployment rate during the winter of 1972-73 under the Priority Employment Program, the Engineering Support Services Unit directed the implementation of 45 projects employing 1,229 people. The projects were of the type which resolved water management problems throughout Alberta for a total expenditure of 1.3 million, of which 1 million was funded by the Government of Alberta and the balance by local authorities.

This report provides a review of the work completed during the winter of 1972-73.

Respectfully submitted,

for W. Solodzuk, P. Eng.
Assistant Deputy Minister

SYNOPSIS

This report provides an overview of the work completed under the Priority Employment Program undertaken by the Environmental Engineering Support Services Unit of the Alberta Department of The Environment in the Winter of 1972-73. Outlined in detail are the procedures and guidelines used to determine which projects were to be undertaken and the approach taken in the implementation of these projects.

In total, 45 different projects were undertaken, 23 were funded entirely by the department, and on 22 the department shared the cost on a 50-50 basis with a local authority. The total cost of these 45 projects was approximately $1,325,000. The department expended one million dollars and the local authorities contributed $325,000 as their share of the cost-shared projects. Approximately 1,229 different individuals were employed during the program span from December 1, 1972 to May 15, 1973.

The projects undertaken fit into three categories: channel and brush clearing (21 projects), erosion protection (16 projects), miscellaneous construction and maintenance (8 projects).

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ACKNOWLEDGEMENTS

The implementation of this program and the preparation of the final report is the combined efforts of many individuals, particularly E. T. Dean, R. Deeprose, R. J. Hilton, R. J. Knight, G. Koshman, P. Melnychuk, K. Nelson, F. G. Primus, T. Slater, A. Strome and W. Solodzuk and their staff.

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GENERAL

Purpose of Report

To present a general summary of the Priority Employment Program undertaken by the Environmental Engineering Support Services Unit of the Alberta Department of the Environment. Outlined in detail are the procedures and guidelines followed in the implementation of the Program. Also included is a summary of the projects undertaken and highlights of individual projects.

Priority Employment Program (P.E.P.)

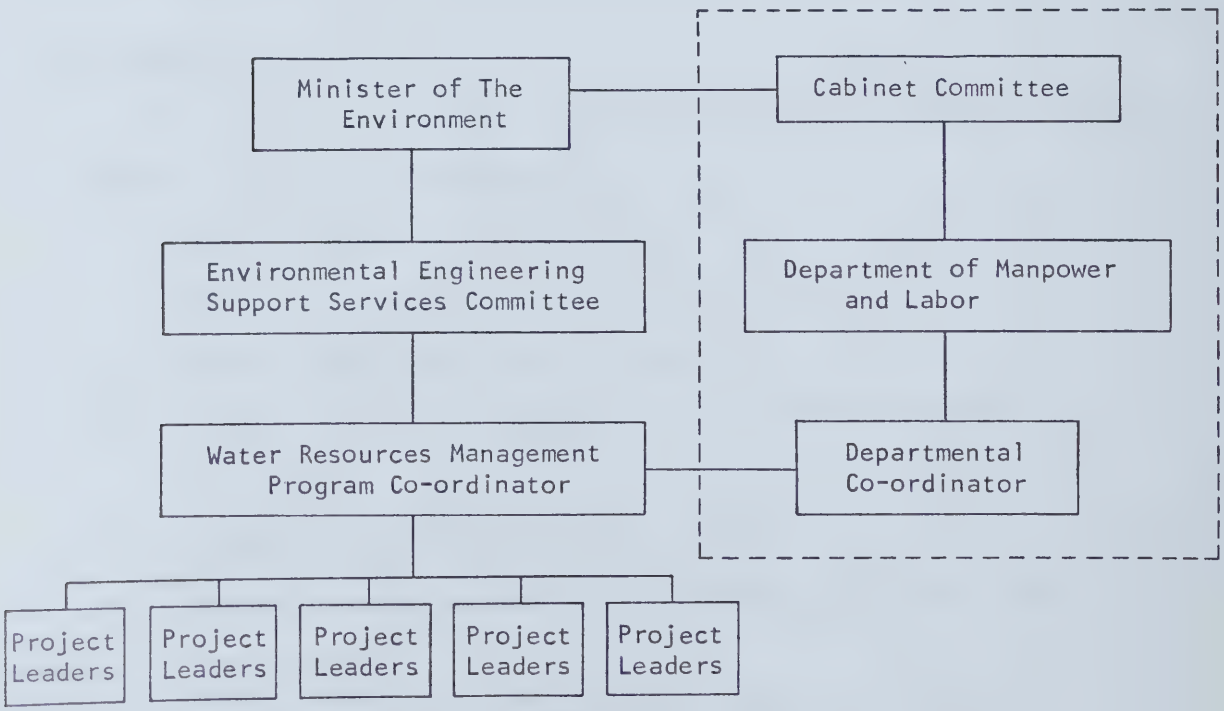
To help alleviate the anticipated high unemployment rate in the Province of Alberta, in the winter of 1972-73 the Government of the Province of Alberta instituted the Priority Employment Program (P.E.P.). A total of nine million dollars was allocated to this program; one million dollars to the Department of Agriculture's Agriculture Societies Buildings and Facilities Program, two million dollars to the Department of Advanced Education for an Institutional Training Program, and six million dollars to be used in direct employment programs, one million of which was allocated to the Alberta Department of the Environment.

P.E.P. IN ENVIRONMENT

Organizational Structure

P.E.P. projects undertaken were administered within the Alberta Department of the Environment by the Environment Engineering Support Services Unit. The Water Resources Management Division was responsible for the co-ordination of the program. The following chart outlines the organization structure of P.E.P. within the Department of the Environment, and its relationship to the P.E.P. organizational set up within the Government of Alberta.

FLOW CHART #1 P.E.P. ORGANIZATIONAL CHART



Projects

The approach taken within the Department to expend the monies allocated was by the undertaking projects to alleviate problems occurring on water-courses and bodies of water. These projects were divided into two classifications according to financing; provincial projects which were financed entirely by the Department, cost-shared projects for which the cost was shared on a 50-50 basis with the local authority.

The list of potential projects was obtained by requesting submissions from local authorities, departmental agencies and other governmental departments. Once these submissions were received, they were reviewed by the Environment Engineering Support Services Committee to determine which projects qualify and their priorities determined. (Note: Flow Chart #2, which outlines procedures followed prior to the implementation of a project.)

Project Approval Criteria

The following is a list of criteria upon which each possible project was subject to before being approved:

1. Projects must be Labour Intensive
   (a) Reduce unemployment at least possible cost.
2. Projects must have value in themselves.
3. Projects should be capable of being implemented quickly (3-4 weeks).
4. Project time span - December 1 - May 15.
5. Projects should concentrate on government priorities rather than services.
6. Projects should be located in High Unemployment Areas.
7. Projects should support the preventative unemployment philosophy for rural areas.

8. Projects should encourage Cost-sharing with Local Authorities.
9. Projects should not result in competition with private industry for employees.

Project Implementation

Once an individual project was approved, the following steps were taken in its implementation:

1. Department of Manpower and Labor Forms

   All the necessary Department of Manpower and Labor forms were completed and forwarded to this department.

2. Local Committees

   (a) For the cost-shared projects, the local authority was advised of the approval of their project and of their responsibilities in its implementation. These responsibilities included: acquisition of the necessary easements, hiring of personnel, day-to-day supervision of the projects, and the keeping of the accounts of the project. (See attached letter, Appendix E.)

   (b) For many of these provincial projects local advisory committees were established to allow for a local involvement in the implementation of the projects. These committees consisted of local M.L.A.'s, elected Municipal officials and landowners. In some Improvement Districts the office of the Department of Municipal Affairs and the elected advisory committee were used. These committees assumed some of the responsibiilities of the local authority including the acquisition of the necessary easements and the hiring of personnel.

3. M.L.A. Advisement

A letter was sent to each M.L.A. in whose constituency a project or projects were being undertaken advising him of the implementation of this project under P.E.P.

4. Permits

Agencies from which a permit would be required to undertake the projects was contacted. There were:

1. Earth Sciences and Licensing Division, Department of the Environment.
2. Department of Municipal Affairs.
3. Department of Lands and Forests.
4. The appropriate Regional Planning Commission.

5. Agreements

In the case of all cost-shared projects and for those provincial projects which were being administered by a local authority, the necessary agreements were signed. (See attached copy of agreement, Appendix E.)

Hiring Guidelines

The General Hiring Guidelines for P.E.P. were:

1. Hiring of local people.
2. Hiring of people presently unemployed.
3. Hiring of rural people whose economic position is such that if they did not find work to supplement their farm income may have been forced to seek social assistance.
4. The wages to be paid are to be in the range of that which the private sector is paying for a similar type of employment in the area.

Hiring Responsibility

A. Cost-Shared Projects

The hiring of the employees was the responsibility of the local authority in which the project was undertaken. The local authority was only restricted in their hiring by general objectives of the program.

B. Provincial Projects

The Canada Manpower Centre in the area was sometimes utilized to hire the labourers. On those provincial projects handled by the local advisory committee, the committee recommended men and equipment for hiring.

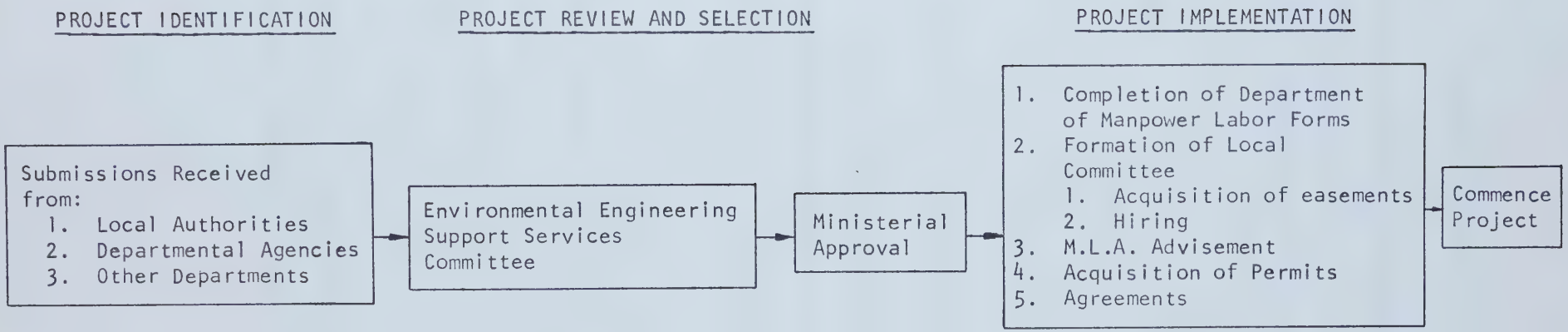
Whenever possible, tenders were called for equipment. The Minister approved the hiring of any contractors earning in excess of $1,000 on any provincial project. Guideline priority for hiring equipment included:

(a) local private equipment

(b) local municipal equipment

(c) private equipment from other sections of the province.

FLOW CHART #2 PROCEDURE FOLLOWED PRIOR TO PROJECT COMMENCEMENT



SUMMARY OF PROJECTS IMPLEMENTED

Within the Department of The Environment, 58 different projects were considered to be undertaken under P.E.P. with 45 being implemented. The total provincial expenditure was one million dollars. The following is a distribution of projects by funding:

Type of Funding	No.	Total Employed	Provincial Funds
Provincial Projects	23	716	$ 675,866.
Cost-Sharing Projects	22	513	$ 324,752.
TOTAL	45	1,229	$ 1,000,000.

Note - See Appendix A for detailed listing of projects according to funding.

The 45 projects undertaken break down into three distinct types: channel and brush clearing projects, erosion protection projects, and miscellaneous construction. The following is the distribution of projects by types:

Type	No.	Total Employed	Provincial Expenditures
Channel & Brush Clearing	21	849	$ 519,256.
Erosion Protection	15	244	$ 241,926.
Miscellaneous Construction and Maintenance	9	136	$ 239,439.
TOTAL	45	1,229	$ 1,000,000.

Note - See Appendices B, C and D for detailed listing of projects according to type and further information specific to each category.

Departmental Cost

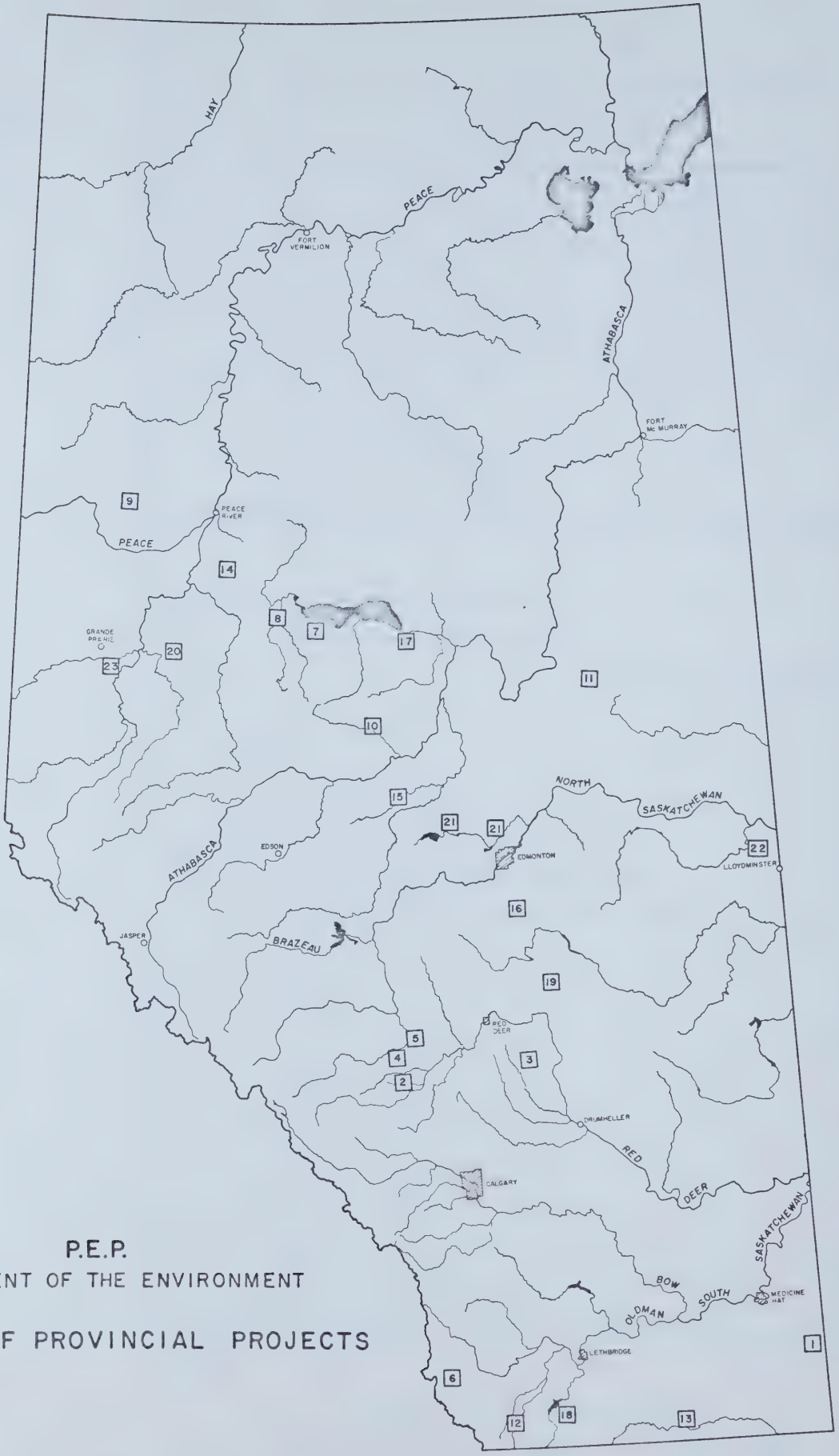
To the end of March 1973 the engineering support and administrative cost to implement this program in the department had exceeded $100,000 with the total expenditure estimated to be $150,000.

APPENDIX A

The following material details the location, total employment, expenditures and the scheduling of the Provincially Funded and Cost-Shared Projects.

PROVINCIAL PROJECTS

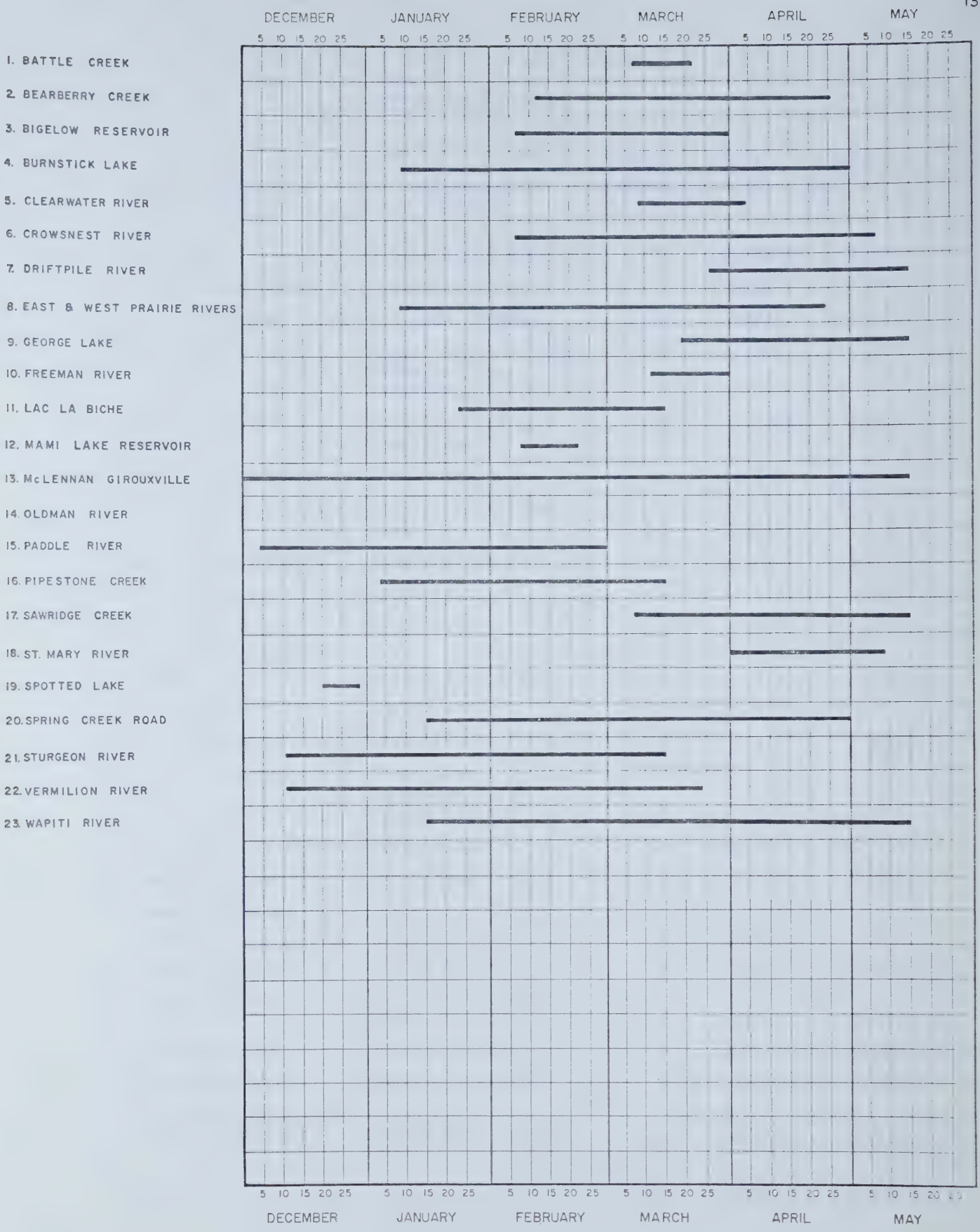
	PROJECT DESCRIPTION	LOCATION	TOTAL EMPLOYED	TOTAL FUNDS
1.	Battle Creek	I.D. #1	7	4,244
2.	Bearberry Creek	Cty. #17	14	60,000
3.	Bigelow Reservoir	M.D. #48	7	11,850
4.	Burnstick Lake	I.D. #10	19	35,958
5.	Clearwater River	I.D. #10	3	17,000
6.	Crowsnest River	I.D. #5	8	3,293
7.	Driftpile River	I.D. #17	6	5,000
8.	East & West Prairie Rivers	I.D. #17	20	40,000
9.	George Lake	I.D. #21	22	10,000
10.	Freeman River	I.D. #15	8	3,000
11.	Lac La Biche	I.D. #18	27	20,000
12.	Mami Lake Reservoir	M.D. #6	6	4,751
13.	Milk River	Cty. #5	3	2,012
14.	McLennan-Girouxville	M.D. #130	20	45,000
15.	Paddle River	Cty. #11 & #28	71	75,000
16.	Pipestone Creek	Cty. #10	24	19,744
17.	Sawridge Creek	I.D. #17	23	20,000
18.	St. Mary River	I.D. #17	3	2,772
19.	Spotted Lake	Cty. #14	2	3,685
20.	Spring Creek Road	I.D. #16	32	23,200
21.	Sturgeon River	Cty. #28 & M.D. #90	84	86,434
22.	Vermilion River	Cty. #21, #24, #27	170	62,922
23.	Wapiti River	I.D. #16	137	120,000
	TOTAL		716	675,865



P.E.P.

DEPARTMENT OF THE ENVIRONMENT

LOCATION OF PROVINCIAL PROJECTS

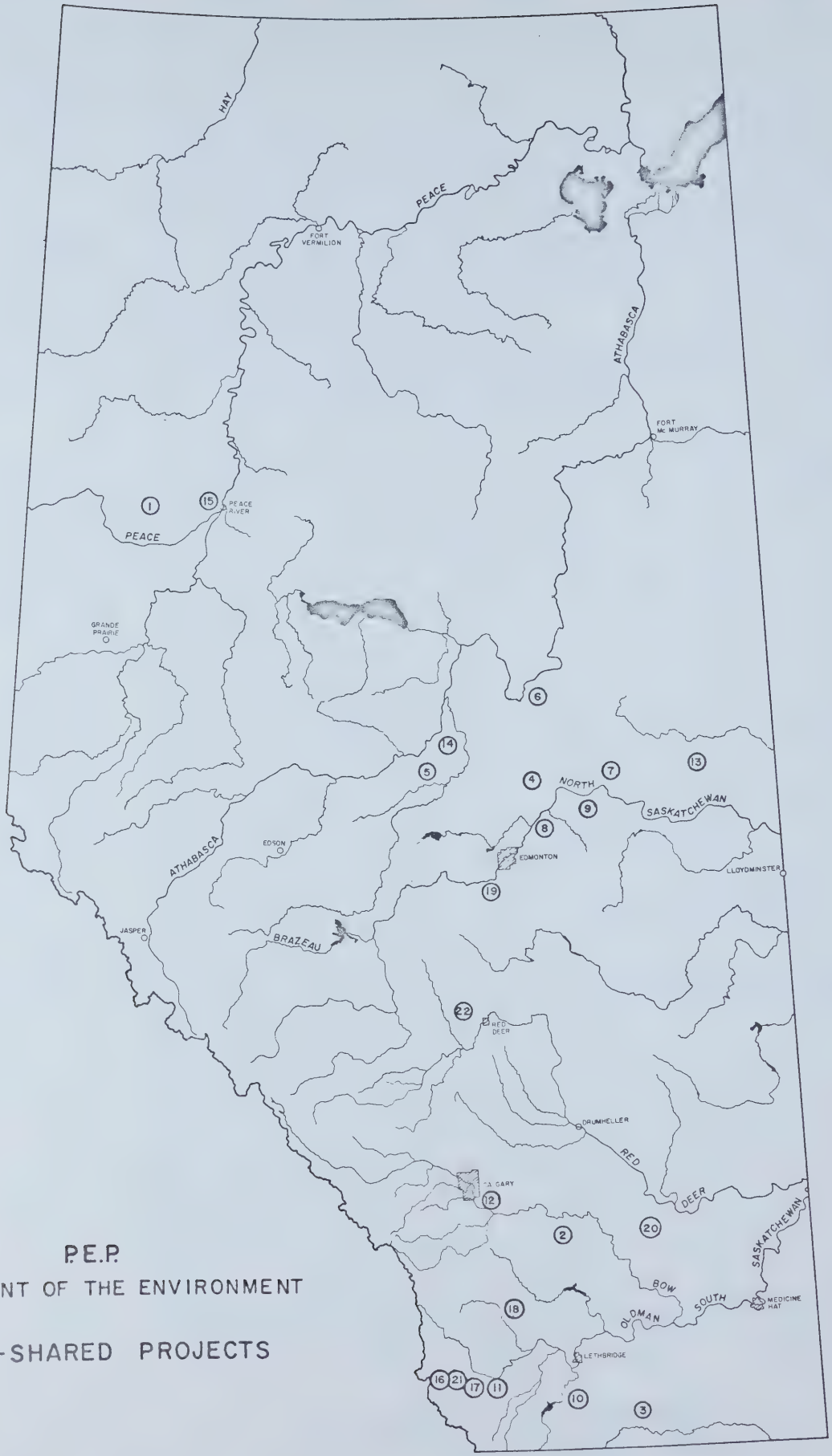


DEPT. OF ENVIRONMENT
1972-1973 P.E.P. PROJECTS SCHEDULING
PROVINCIAL

REVISED JUNE 1, 1973

COST-SHARED PROJECTS

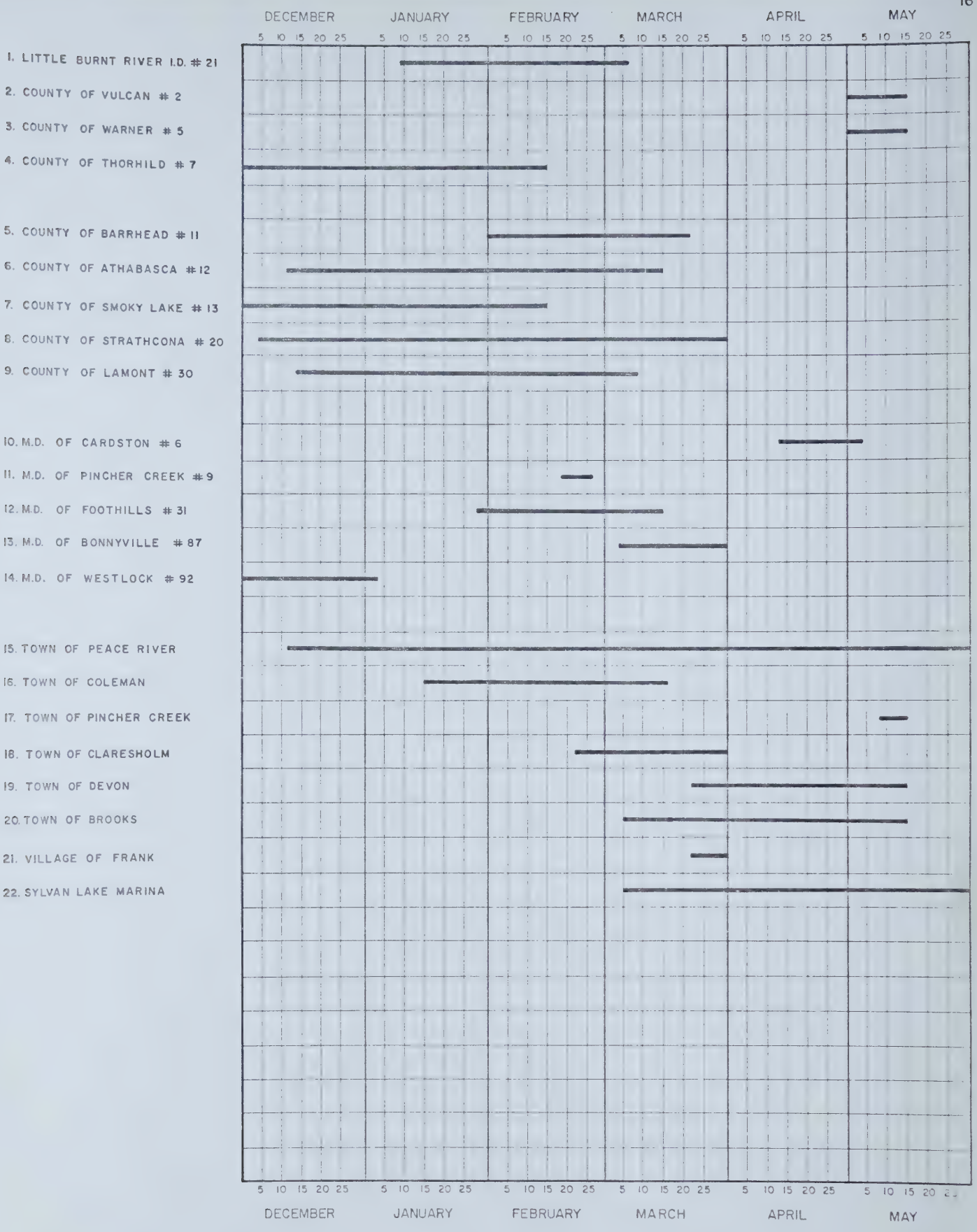
	LOCAL AUTHORITY	WATER COURSE	TOTAL EMPLOYED	TOTAL FUNDS	PROVINCIAL EXPENDITURE
1.	I.D. #21	Little Burnt River	15	25,000	12,500
2.	Cty. of Vulcan	McGregor Dam	9	9,330	4,665
3.	Cty. of Warner	Drainage Channel	10	5,775	2,888
4.	Cty. of Thorhild	Namepi-Kennedy Creek Redwater River Waskatenau Creek	148	57,749	28,875
5.	Cty. of Barrhead	Pembina River Shoal Creek	20	6,000	3,000
6.	Cty. of Athabasca	Pine Creek	85	33,579	16,789
7.	Cty. of Smoky Lake	Stony & Waskatenau Creeks	23	12,719	6,310
8.	Cty. of Strathcona	Astotin Creek	12	6,000	3,000
9.	Cty. of Lamont	Egg Creek	16	11,457	5,728
10.	M.D. of Cardston	S.M.R.I.D.	3	3,488	1,744
11.	M.D. of Pincher Creek	Indian Farm Creek	10	976	488
12.	M.D. of Foothills	Bow River	12	27,425	13,712
13.	M.D. of Bonnyville	Ditch Erosion Project	12	1,316	658
14.	M.D. of Westlock	Shoal Creek, Tawatinaw River & Wabash Creek	18	7,000	3,500
15.	Town of Peace River	Peace River	51	190,000	95,000
16.	Town of Coleman	Nez Pearce Creek	5	6,110	3,055
17.	Town of Pincher Creek	Pincher Creek	6	2,064	1,032
18.	Town of Claresholm	Willow Creek	5	6,690	3,345
19.	Town of Devon	North Saskatchewan River	7	25,000	12,500
20.	Town of Brooks	Marshall Drain	7	60,000	30,000
21.	Village of Frank	Crowsnest River	5	3,926	1,963
22.	Department of Public Works, Fed. Gov't	Sylvan Lake Marina	34	148,000	74,000
	TOTAL		513	648,268	324,752



P.E.P.

DEPARTMENT OF THE ENVIRONMENT

COST-SHARED PROJECTS


DECEMBER
JANUARY
FEBRUARY
MARCH
APRIL
MAY
5 10 15 20 25
1. LITTLE BURNT RIVER I.D. # 21
2. COUNTY OF VULCAN # 2
3. COUNTY OF WARNER # 5
4. COUNTY OF THORHILD # 7
5. COUNTY OF BARRHEAD # 11
6. COUNTY OF ATHABASCA # 12
7. COUNTY OF SMOKY LAKE # 13
8. COUNTY OF STRATHCONA # 20
9. COUNTY OF LAMONT # 30
10. M.D. OF CARDSTON # 6
11. M.D. OF PINCHER CREEK # 9
12. M.D. OF FOOTHILLS # 31
13. M.D. OF BONNYVILLE # 87
14. M.D. OF WESTLOCK # 92
15. TOWN OF PEACE RIVER
16. TOWN OF COLEMAN
17. TOWN OF PINCHER CREEK
18. TOWN OF CLARESHOLM
19. TOWN OF DEVON
20. TOWN OF BROOKS
21. VILLAGE OF FRANK
22. SYLVAN LAKE MARINA

DEPT. OF ENVIRONMENT
1972 - 1973 P.E.P. PROJECTS SCHEDULING
COST - SHARED

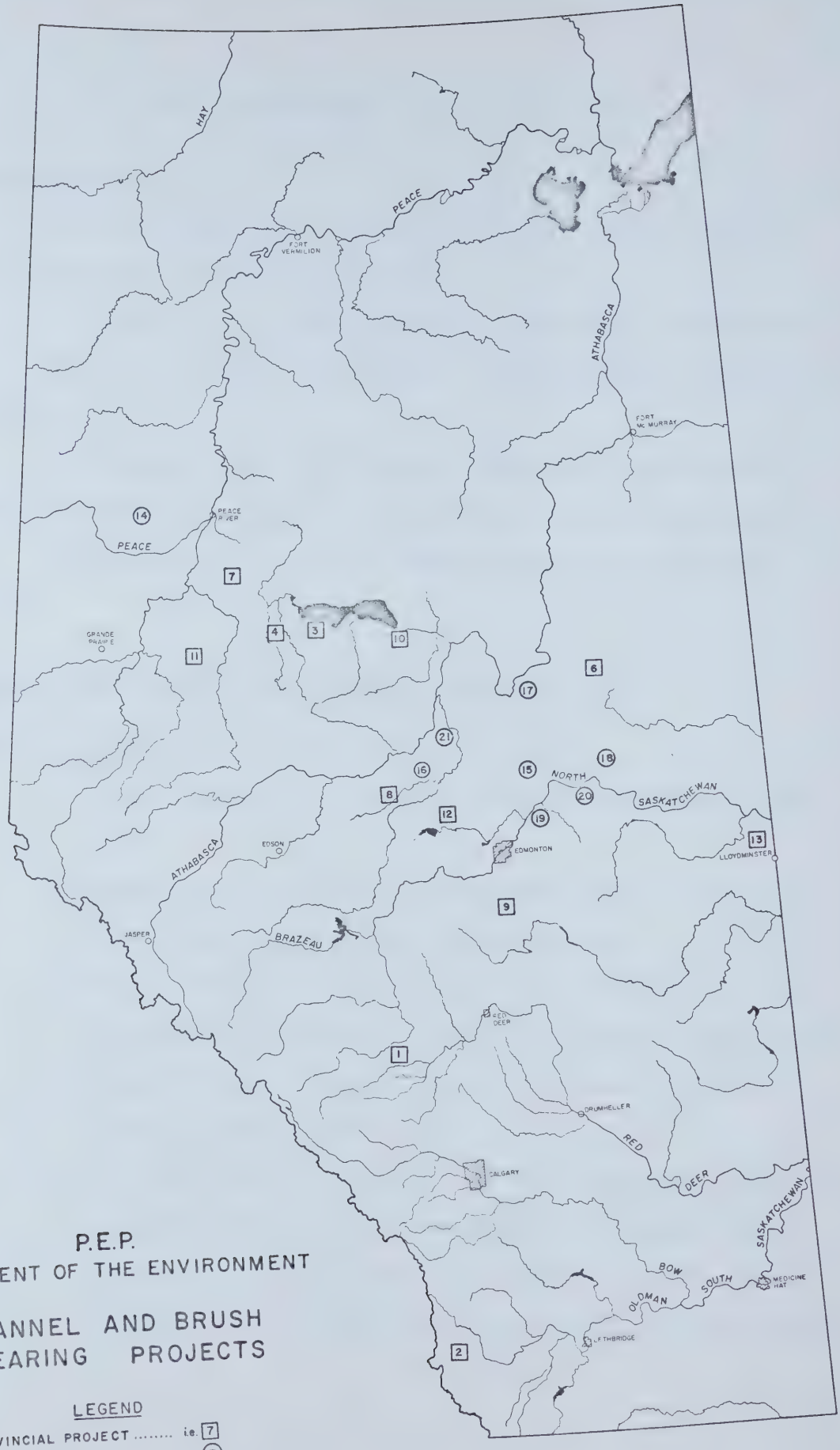
REVISED JUNE 1, 1973.

APPENDIX B

CHANNEL AND BRUSH CLEARING PROJECTS

The following indicates the labour intensity and location of each of the Channel and Brush Clearing Projects. Also included is a copy of the guidelines followed in carrying out the clearing and a series of photographs of some of the areas where work was undertaken.

TYPE OF PROJECT		NAME OF PROJECT	PROVINCIAL EXPENDITURE	LABOUR INTENSITY % OF TOTAL COST	TOTAL NO. EMPLOYED	REMARKS
Provincial	1.	Burnstick Lake	35,958	80%	19	Reservoir Clearing
	2.	Crowsnest River	3,293	38%	8	
	3.	Driftpile River	5,000	75%	6	
	4.	East & West Prairie Rivers	40,000	56%	20	
	5.	Freeman River	3,000	75%	8	
	6.	Lac La Biche	20,000	75%	27	
	7.	McLennan-Girouxville	45,000	49%	20	
	8.	Paddle River	75,000	71%	71	
	9.	Pipestone Creek	19,745	77%	24	
	10.	Sawridge Creek	20,000	48%	23	
	11.	Spring Creek Road	23,200	78%	32	Brush Clearing
	12.	Sturgeon River	86,434	70%	84	
	13.	Vermilion River	62,922	87%	170	
Cost-Shared	14.	Little Burnt River	12,500	73%	15	
	15.	Cty. of Thorhild	28,875	75%	148	
	16.	Cty. of Barrhead	3,000	75%	20	
	17.	Cty. of Athabasca	16,790	58%	85	
	18.	Cty. of Smoky Lake	6,310	68%	23	
	19.	Cty. of Strathcona	3,000	75%	12	
	20.	Cty. of Lamont	5,729	93%	16	
	21.	M.D. of Westlock	3,500	75%	18	
		TOTAL	519,256	69%	849	



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DEPARTMENT OF THE ENVIRONMENT

CHANNEL AND BRUSH CLEARING PROJECTS

LEGEND

PROVINCIAL PROJECT ..... i.e. [7]
COST-SHARED PROJECT.... i.e. (7)

WINTER WORKS CHANNEL CLEARING GUIDELINES

Introduction

There are generally two types of areas where channel clearing is being carried out, which are as follows:

1. Reaches of river which are subject to flooding including the area immediately downstream which causes a backwater effect through the floodplain.

2. Reaches of river which are not subject to flooding however, containing debris which could adversely affect flood prone areas downstream.

The guidelines for these two channel categories are outlined as follows:

Channel Clearing Guidelines in Areas Subject to Flooding

Guidelines with Respect to Various Species of Trees

1. Spruce - usually found high on the banks, therefore, are not cut.
2. Berry Bushes and Shrubs - where possible these are left intact and none under 3 feet in height are cut.
3. Willow and Alders - since these normally grow near the channel bed and present a severe restriction to flow they are generally, extensively cut. Those at the top of the bank are left as a shade and habitat cover.
4. Birch and Poplar - these trees are not normally cut since they are found fairly high up on the banks. If however, they are overhanging or give evidence that they are in a deteriorating condition and will soon become deadfall then they are to be cut.

General Channel Clearing Guidelines

1. Wherever there are defined banks clearing is to be restricted to the channel.
2. If there are no defined banks no clearing is to extend horizontally beyond 5 feet of present ice surface.
3. No clearing is to be undertaken near lakes where possible spawning areas can be adversely affected without a biologist's assessment.
4. No brushing is to be done on the outside of a curve where erosion could become a problem.
5. All abandoned beaver dams are to be removed, however, live beaver dams are to be assessed on an individual basis before any trapping or removal is undertaken.
6. All burning is to be carried out as such that only ash remains. Any charred wood must be removed from the stream to avoid pollution.
7. All obstructions causing erosion and flooding such as deadfall, car bodies, and abandoned beaver dams are to be removed.

Channel Clearing Guidelines in Those Areas Not Subject to Flooding but Contribution to a Flooding Problem Downstream

In this situation no live trees are cut with the exception of some willows at waterline which represent potential debris in the near future. All deadfall, abandoned beaver dams and car bodies which may be causing scour or represent a debris problem will be removed.

CHANNEL AND BRUSH CLEARING PROJECTS

Photo #1

Sawridge Creek
(South of Town of
Slave Lake).

Debris in channel prior
to undertaking of program.

Photo #2

Egg Creek.

County of Lamont #30.

Debris in channel.

Photo #3

Sturgeon River

Debris pushed into
channel when adjoining
field was cleared.

Photo #4

Antoine Creek
I.D. 18

Channel completely overgrown with trees.

Photo #5

Vermilion River

Illustrates a brushed and an unbrushed section.

Photo #6

Paddle River.

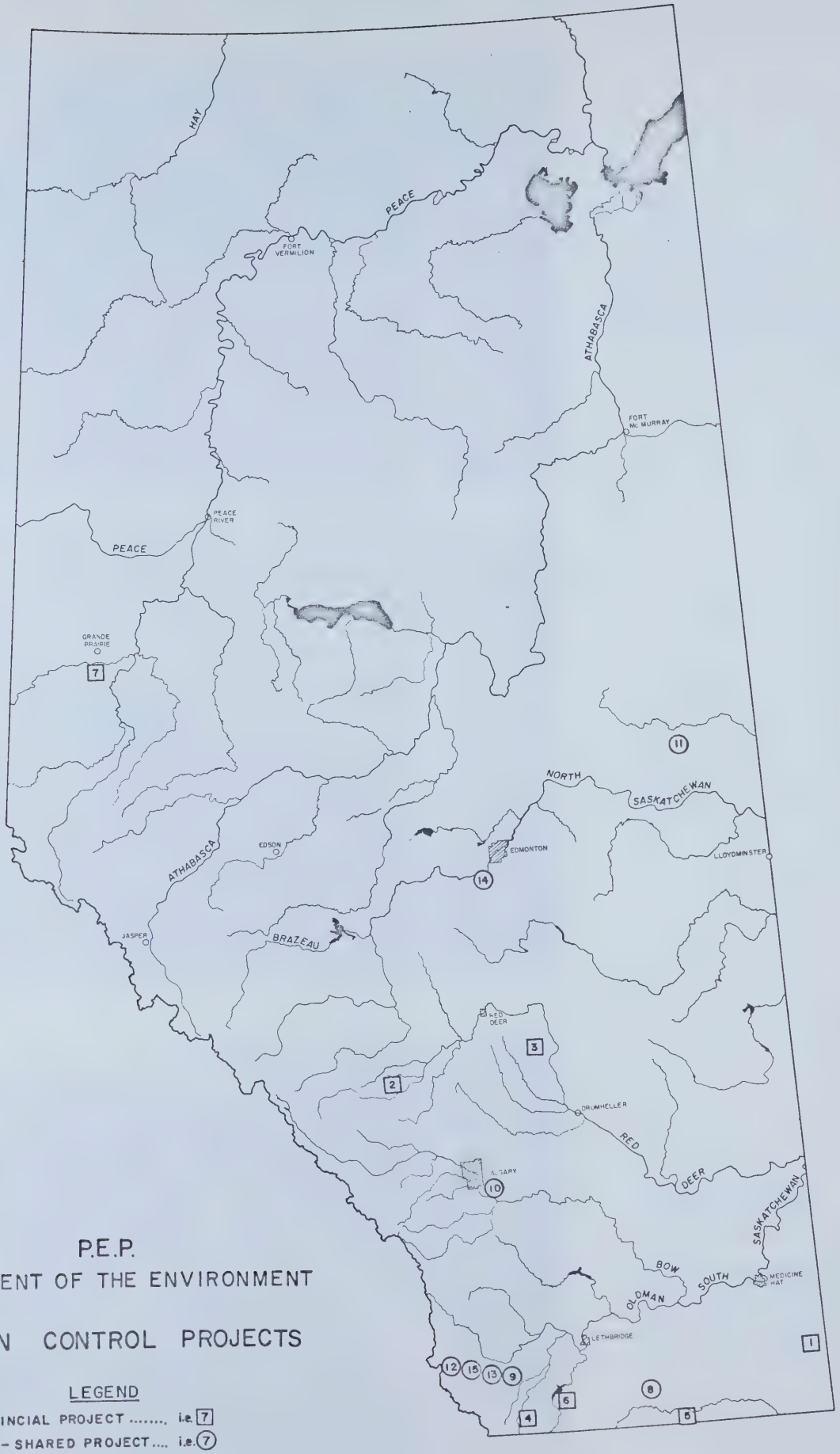
Section of river
after brushing.

APPENDIX C

EROSION PROTECTION PROJECTS

The following indicates the labour intensity and location of each of the erosion protection projects. Also included is a series of photographs illustrating examples of the erosion protection works undertaken.

TYPE OF PROJECT		NAME OF PROJECT	PROVINCIAL EXPENDITURE	LABOUR INTENSITY % OF TOTAL COST	TOTAL NO. EMPLOYED	REMARKS
Provincial	1.	Battle River	4,244	35%	7	
	2.	Bearberry Creek	60,000	12%	14	
	3.	Bigelow Reservoir	11,850	25%	7	
	4.	Mami Lake Reservoir	4,751	32%	6	
	5.	Milk River	2,012	38%	3	
	6.	St. Mary's River	2,772	25%	3	
	7.	Wapiti River	120,000	18%	137	
Cost-Shared	8.	Cty. of Warner	2,888	74%	10	
	9.	M.D. of Pincher Creek	488	84%	10	
	10.	M.D. of Foothills	13,713	40%	12	
	11.	M.D. of Bonnyville	658	60%	12	
	12.	Town of Coleman	3,055	39%	5	
	13.	Town of Pincher Creek	1,032	33%	6	
	14.	Town of Devon	12,500	50%	7	
	15.	Village of Frank	1,963	24%	5	
		TOTAL	241,926	39%	244	



P.E.P.

DEPARTMENT OF THE ENVIRONMENT

EROSION CONTROL PROJECTS

LEGEND

PROVINCIAL PROJECT ..... i.e. [7]

COST-SHARED PROJECT.... i.e. (7)

EROSION PROTECTION PROJECTS

Photo #7

Crowsnest River
(Near Village of Frank)

Rip-rap placed to protect road and park.

Photo #8

Bigelow Reservoir

Rip-rap placed to protect road.

Photo #9

Town of Coleman
Nez Perce Creek.

Channel lined with corrugated metal sheets to prevent erosion of banks from occurring.

EROSION PROTECTION PROJECTS

Photo #10

Town of Sundre
Bearberry Creek

Channel lined with gabions
to prevent erosion.

Photo #11

Wapiti River

Installation of gabions
to protect banks.

Photo #12

Wapiti River

Completed Project.

EROSION PROTECTION PROJECTS

Photo #13

Bow River
M.D. of Foothills No. 31.

Placing of rip-rap on
Dyke.

Photo #14

Bow River
M.D. of Foothills No. 31.

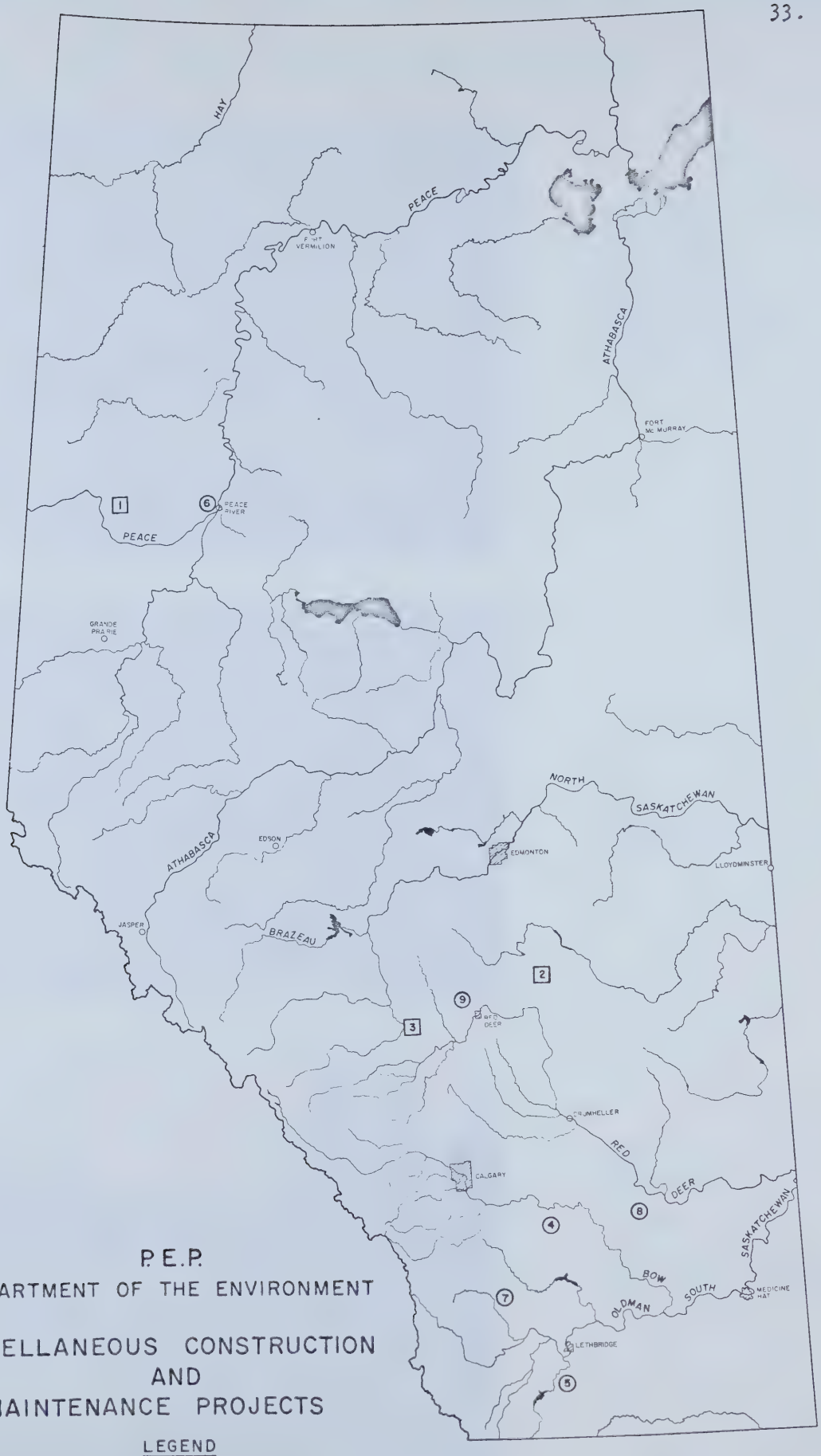
Purpose to protect highway
from erosion.

APPENDIX D

MISCELLANEOUS CONSTRUCTION AND MAINTENANCE PROJECTS

The following indicates the labor intensity, location and type of work undertaken for each of the projects listed under the Miscellaneous Construction and Maintenance Projects. Also included is a series of photographs of some of the projects undertaken under this category.

TYPE OF PROJECT		NAME OF PROJECT	PROVINCIAL EXPENDITURE	LABOUR INTENSITY % OF TOTAL COST	TOTAL NO. EMPLOYED	REMARKS
Provincial	1.	George Lake	10,000	27%	22	Construction of floating warf
	2.	Spotted Lake	3,685	12%	2	Blasting of new ditch
	3.	Clearwater River	11,000	15%	3	Dykes
Cost-Shared	4.	Cty. of Vulcan	4,665	19%	9	McGregor Dam Spillway Replacement
	5.	M.D. of Cardston	1,744	15%	3	Channel Maintenance
	6.	Town of Peace River	95,000	10%	51	Dykes
	7.	Town of Claresholm	3,345	16%	5	Maintenance to Town of Claresholm Water intake
	8.	Town of Brooks	30,000	34%	7	Construction of Drainage Works
	9.	Sylvan Lake Wharf	74,000	16%	34	Construction of Wharf
		TOTAL	239,439	18%	136	



P.E.P.

DEPARTMENT OF THE ENVIRONMENT

MISCELLANEOUS CONSTRUCTION AND MAINTENANCE PROJECTS

LEGEND

PROVINCIAL PROJECT..... i.e. [7]

COST-SHARED PROJECT..... i.e. (7)

Photo #15

George Lake

Construction of a
Floating Wharf.

Photo #16

County of Vulcan

McGregor Dam Spillway
Replacement.

Photo #17

Crowsnest River.

New Cut-off Constructed.

Sample of letter was mailed to the Counties & M.D.'s in the Edmonton Region requesting submission under P.E.P.

Alberta

ENVIRONMENT

Environmental Engineering
Support Services
Water Resources Management Division

403/425-1130
Telex 037-2006, TWX 610-831-2636
Milner Building
10040 - 104 Street
Edmonton, Alberta, Canada. T5J 0Z6

September 7, 1972

Attention:

Dear Sir:

Further to our conversation of September 6, 1972, the Water Resources Division is obtaining an inventory of projects suitable for consideration under a possible Winter Works program. Historically, the criteria of labour intensive works on water orientated projects limited work to hand clearing of watercourses. The watercourses considered should be ones which have been a problem due to obstructions to flow by brush in the channel.

Before a decision is made whether or not to implement this program, the following information is required from the Local Authority.

1. Does Council wish to be involved in this type of a program?

2. The watercourse or watercourses council would like to have considered. If more than one watercourse is considered, list them in order of priority. Also include an estimate of the number of miles of the problem areas on each watercourse.

3. If instituted, this program would be based on a cost sharing formula between the provincial government and the local authority. Cost sharing on such a program will likely be consistent with work which is or which may be carried out on a particular watercourse, however, involvement by this Department at this time does not necessarily imply that a project will in fact be implemented in the future. We would like council to indicate the maximum amount of money that they could budget for such a program.

We would appreciate if the requested information could be forwarded to our office on or before September 15, 1972.

Once a decision has been made and if the program is implemented in your local authority, a representative of the Water Resources Division will attend a council meeting to explain the program in detail.

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It should be stressed that this in no way commits this Department to undertaking any winter works projects of the above nature, however, it does provide your council the opportunity to be involved if such a program is initiated.

Yours very truly,

T. Slater, P. Eng.
(for) A. Strome, P. Eng.
Regional Administrator
Edmonton Region

TS/ad

c.c. A. Strome

Sample of letter of approval to local authorities in Edmonton Region for cost-shared projects. This letter outlines responsibilities of each party.

Alberta
ENVIRONMENT
Environmental Engineering
Support Services
Water Resources Management Division
403/425-1130
Telex 037-2006, TWX 610-831-2636
Milner Building
10040 - 104 Street
Edmonton, Alberta, Canada. T5J 0Z6

File: 14713 & 2191-F

December 29, 1972

Mr. J. Skuba
Secretary-Treasurer
County of Smoky Lake No. 13
Smoky Lake, Alberta

Dear Sir:

RE: WINTER WORKS P.E.P. PROJECTS

This is to confirm that your local authority has been allocated a maximum grant of $5,000 (50% of a total expenditure of $10,000) under the above mentioned programme. The formal agreements will be forwarded for signature in the very near future.

As outlined previously, it is the responsibility of the local authority to obtain all right of entry forms, to hire the personnel, to give day to day supervision to the job and to keep the accounts for the job. It is understood that Department of Environment personnel will make periodic inspections of the work being undertaken. Also under this year's program, it is necessary that the local authority obtain a permit (as set down in section 1.1 of the Water Resources Act) from the Department of the Environment authorizing the clearing of watercourses. This permit will be issued soon after the plan is received from your office showing the creeks and the sections where clearing is proposed.

It is requested that an itemized account be submitted to our department at the end of each month rather than at the end of the job. Included on this account should be a breakdown of the number of men employed, hours worked, rates paid and a listing of all other expenses including U.I.C. and Canada pension.

If during the progress of the program, it becomes evident that all the monies allocated to your local authority will not be spent, please contact this Department as soon as possible, so that this money can be made available to other areas. Similarly, if additional expenditures are to be made, beyond that covered by the agreement, a request for additional funds should be made at an early date.

.../2

..../2

Some of the guidelines which should be adhered to as closely as possible where channel clearing is being carried out, are as follows:

1. Clearing should be restricted to the bed and banks of the stream channel.

2. No clearing should be undertaken on lake inlets, which may be prime fish spawning areas, before Departmental staff has given approval to the work.

3. Areas already subject to bank erosion should not be brushed except to remove deadfall and overhanging trees.

If you have any further questions, feel free to contact us directly at 425-1130.

Yours truly,

WATER RESOURCES MANAGEMENT DIVISION

A. Strome, P. Eng.
Regional Administrator

THIS AGREEMENT made in duplicate this 22 day of February 19 73 A.D.

BETWEEN

The Honourable the Minister of The Environment for the Province of Alberta (hereinafter called "the Minister")

- and -

The County of Athabasca #12

(hereinafter called "the Local Authority")

WHEREAS Section 96 of The Water Resources Act provides that the Minister may enter into an agreement with a local authority to provide for any works or undertakings within the meaning of the Act;

WHEREAS the Local Authority has made application for assistance under The Winter Works Program;

AND WHEREAS a project has been approved and identified:

NAME Pine Creek Channel Clearing

Location Tp. 65 - 67 and Rge. 19 - 21 -W4

Plan and/or Report No.s: 14712-1

Estimated Total Cost $ 30,000.00 Job No. P282G

NOW THEREFORE in consideration of the foregoing it is mutually agreed with respect to the above designated project as follows:

1. THE LOCAL AUTHORITY AGREES:

(a) To arrange for and prosecute the work of the project;

(b) To arrange for and acquire such interest in land as may be necessary for the project and to arrange for entry for future maintenance;

(c) To execute and fully complete the project on or before the 15 day of March 19 73 and that any extension of time must be approved by the Minister, or on his behalf, by the Director of Water Resources;

(d) To indemnify and hold harmless the Minister from and against any and all claims and actions resulting from the implementation and maintenance of the project;

(e) That any alteration, or extension of the project or of responsibilities therefore will be undertaken only with approval of the Director of Water Resources;

(f) To submit an Itemized Account to the Director of Water Resources, on forms supplied by him, at the end of each month, showing expenditures for all work performed, and that at the time of submitting the final Itemized Account to certify that the project is free and clear from all lawful claims and liens.

2. THE MINISTER AGREES:

(a) To pay 50 per cent of the cost of the project, as shown on the Itemized Account prepared pursuant to this agreement, but such payment by the Minister shall not exceed $ 15,000.00 ;

(b) That notwithstanding clause 2(a) above the Minister may approve progress payments on Itemized Account forms from time to time during the construction of the project.

IN WITNESS WHEREOF the Parties hereto have set their respective hands and seals.

Witness or Seal

The Local Authority:

Reeve/Mayor

Secretary-Treasurer

The Honourable the Minister of The Environment: